Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/28/2017 10:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124784	-1	1.58	124680	1.52
Blue	F	SSC	125000	124044	-1	3.07	124395	2.93
Blue	E	FITC	21625	21241	-2	2.40	949	9.69
Blue	D	PE	26832	26571	-1	2.03	957	9.41
Blue	B	PerCP-Cy5-5	48027	47262	-2	3.33	1353	16.20
Blue	A	PE-Cy7	40971	40391	-2	5.01	620	34.70
Red	C	APC	49746	48757	-2	2.89	2799	9.35
Red	A	APC-Cy7	53615	52685	-2	2.98	1088	11.08
Violet	B	V450	14488	13986	-4	5.48	669	9.54
Violet	A	V500	55123	53719	-3	5.37	2381	7.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19624	4.35	601	3	N/A	N/A	Pass
Blue	F	SSC	61809	1.44	531	-3	N/A	N/A	Pass
Blue	E	FITC	106	36.61	531	-5	0.0233	133	Pass
Blue	D	PE	209	27.97	527	-4	0.1758	246	Pass
Blue	B	PerCP-Cy5-5	213	43.01	621	-8	0.0112	105	Pass
Blue	A	PE-Cy7	71	107.08	671	-10	0.0123	3	Pass
Red	C	APC	331	27.70	587	-7	0.0214	119	Pass
Red	A	APC-Cy7	120	39.54	571	-9	0.0058	1621	Pass
Violet	B	V450	81	41.70	467	-4	0.0508	2004	Pass
Violet	A	V500	173	21.70	492	-4	0.0148	128	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.20	0.84
Blue	20.36	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.09	13.27 - 19.91	N/A	N/A	31.23	31.70	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9774

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments